شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم

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شبكة المعلومات الجامعية

التوثيق الالكتروني والميكروفيلم

شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأفلام قد أعدت دون أية تغيرات

يجب أن

تحفظ هذه الأفلام بعيدا عن الغبار

في درجة حرارة من ١٥-٢٥ مئوية ورطوبة نسبية من ٢٠-٤٠%

To be Kept away from Dust in Dry Cool place of 15-25- c and relative humidity 20-40%

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بعض الوثائق الاصلية تالفة

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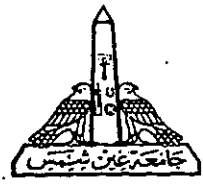
بالرسالة صفحات لم ترد بالاصل

BVEAY



AIN SHAMS UNIVERSITY
FACULTY OF ENGINEERING
ELECTRONICS AND COMMUNICATIONS ENGINEERING DEPARTMENT

Automatic Spoken Language Identification

A Thesis

Submitted in Partial Fulfillment for the requirements
of the Degree of Master of Science in Electrical Engineering

(Electronics and Communications Engineering)

Submitted by

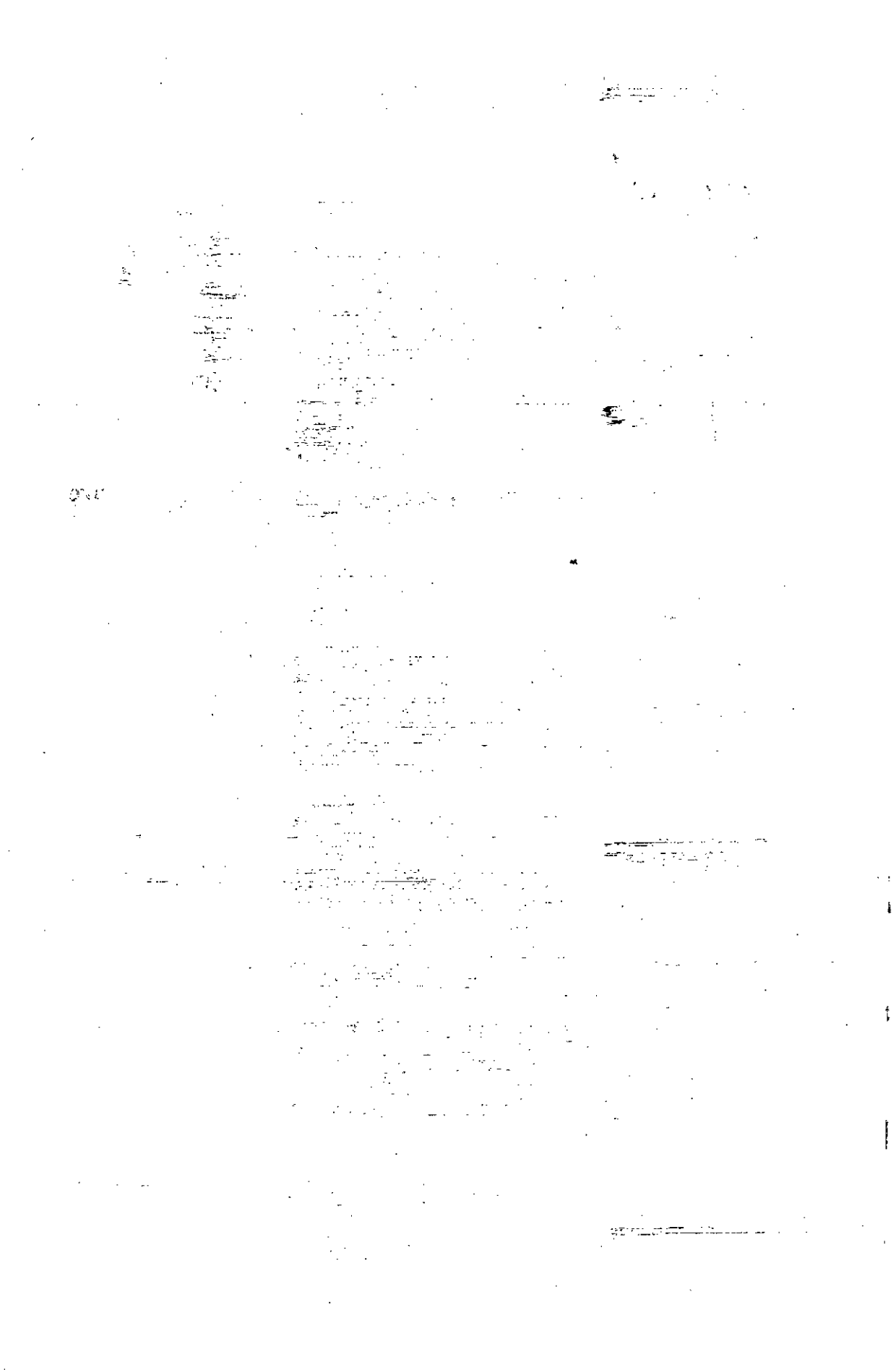
Maged Ahmed Maher Nofal

B.Sc. of Electrical Engineering
(Electronics and Communications Engineering)
Ain Shams University, 1994

Supervised By

Prof. Dr. Hadia El Henawy
Dr. Esam Abdel Reheem

Cairo - 1999



EXAMINERS COMMITTEE

Name : Maged Ahmed Maher Nofal

Thesis : Automatic Spoken Language Identification

Degree : Master of Science in Electrical Engineering
(Electronics and Communications Engineering)

	Name, Title and Affiliation	Signature
1.	**Prof. Dr. Mohamed Nabil Saleh** Ain Shams University, Cairo Faculty of Engineering Electronics and Communications Engineering Dept.	M. N. Saleh
2.	**Prof. Dr. Magdy Fikry** Cairo University, Cairo Faculty of Engineering Electronics and Communications Engineering Dept.	
3.	**Prof. Dr. Hadia Elhenawy** Ain Shams University, Cairo Faculty of Engineering Electronics and Communications Engineering Dept.	H. El Hennawy

Date : 27 February 99

قَالُوا سُبْحَانَكَ لا عِلْمَ لَنَا إِلاَّ مَا
عَلَّمْتَنَا إِنَّكَ أَنتَ
الْعَلِيمُ الْحَكِيمُ

صدق الله العظيم
(سورة البقرة)
الآية «٣٢»

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STATEMENT

This dissertation is submitted to Ain Shams University for the degree of Master of Science in Electrical Engineering (Electronics and communications Engineering).

The work included in this thesis was carried out by the author at the electronics and Communications Engineering Department, Faculty of Engineering, Ain Shams University.

No part of this thesis has been submitted for a degree or qualification at other university or institution.

Date : / /1999

Signature :

Name : Maged Ahmed Maher Nofal